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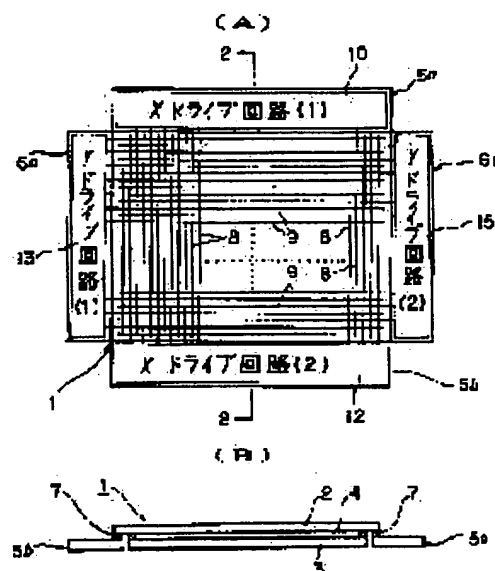
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## (54) DISPLAY DEVICE, X DRIVER AND Y DRIVER

### (57)Abstract:

**PURPOSE:** To prevent the occurrence of an FPN(fix pattern noise) and shading by constituting at least one side of an X drive circuit and a Y drive circuit with a circuit constituted of a TFT(thin film transistor) formed on a substrate.

**CONSTITUTION:** The X drive circuits (1) 10, (2) 12 and/or the Y drive circuits (1) 13, (2) 15 are constituted of the circuit consisting of the TFT formed on one substrate. Vertical lines 8 transmitting a video signal to pixel lines prolonging in the vertical direction of pixel electrodes of a display 1 are arranged in the horizontal direction such as from right to left. Then, the X drive circuits (1) 10, (2) 12 are constituted of a serial/parallel conversion circuit consisting of shift resistors and a field-effect transistors group controlled by signals from respective bits and arranged on the position answering to the pixel lines, and the video signal is transmitted to respective pixel lines in a prescribed order through the serial/parallel conversion circuit.



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